

Auddard & Co.  
11/20/2023  
MINUTES

# Summary of Tasks/Deliverables

## Deliverables:

1. Common software engineering artifacts
  - a. [Project management plan](#)
  - b. [Requirements document](#)
  - c. [Design document\\*\\*](#)
    - i. Seamlessly aligns with the specified requirements
  - d. Implementation Doc?
  - e. Test cases\*\*
2. Well documented C++ program that can evaluate arithmetic expressions with the specified operators and features
3. A user manual or README file explaining how to use the program, including examples

## Project Tasks:

1. Expression Parsing:
  - a. Implement a function to tokenize the input expression
  - b. Create a data structure, such as a stack or a tree, to represent the expression's structure
2. Operator Precedence:
  - a. Define the precedence of the operators according to the PEMDAS rules
  - b. Implement the logic to evaluate the expression while considering operator precedence
3. Parenthesis Handling
  - a. Develop a mechanism to identify and evaluate expressions within parentheses
4. Numeric Constants:
  - a. Recognize numeric constants in the input. Initially assume the input will be integers only.  
In the future, there may be a request to accommodate floating point input values also so you experience change requests and embracing changes
5. User Interface:
  - a. Create a user-friendly and legible command-line interface that allows users to enter expressions and displays the calculated results
6. Error handling:
  - a. Implement robust error handling to manage scenarios like division by zero or invalid expressions

## November 20th, 2023

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Meeting Commenced: 9:12 AM

Meeting Adjourned: 10:52 AM

Location: LEEP2, 1320

Attendance:

☐ Sriya Annem

☒ ~~Lauren D'Souza~~

☒ ~~Ella Nguyen~~

☐ Morgan Nguyen

☒ ~~Audrey Pan~~

☐ Tanu Sakaray

Additional Notes:

Sriya and Tanu were late. Loll, no message from Morgan. Tanu arrived around 9:13 AM. Morgan joined online later!

### Meeting Goals/Agenda:

Weekly In-Person Meetings for Coding Portion of Project

- ~~Week of the 12th:~~

- ~~11.14.23 @ 7 PM-4PM~~

- ~~LEEP2 1320~~

- Week of the 19th:

- 11.20.23 @ ~~5 PM~~ 9AM-10:30AM

- LEEP2 1320 (Confirmed)

- Week of the 26th

- 11.28.23 @ ~~7 PM~~ 4PM

- LEEP2 1320 (pending)

On Dec 3rd (OPTIONAL)

Replit Link:

- <https://replit.com/join/rpgszwquii-ellanguyen3>

1. Wrap up coding portion of the project
2. Generate test cases together (will make a doc of test cases
  - a. According to Sophia, the GTAs will grade based upon the provided test cases and if our program works, however, we still need to make sure our program does not crash with other cases
- 3.